

<b>FORM PTO-1449 U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>ATTY. DOCKET NO.</b>		<b>SERIAL NO.</b>	
		U 013615-2		09/914,482	
		<b>APPLICANT</b>			
		Masahiro YATAKE			
		<b>FILING DATE</b>		<b>GROUP</b>	
August 28, 2001		1755			

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA				


FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AB	56-163168	12/1981	JP		X
	AC	11-349871	12/1999	JP		X
	AD	6-504576	5/1994	JP		X
	AE	93-09194	5/1993	WO	X	
	AF	05-214282	8/1993	JP		X
	AG	04-018465	1/1992	JP		X
	AH	07-157698	6/1995	JP		X
	AI	10-211693	8/1998	JP		X
	AJ	02-127482	5/1990	JP		X
	<b>OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)</b>					
	AK	Patent Abstracts of Japan of JP 56-163168 dated December 15, 1981,				
	AL	Patent Abstracts of Japan of JP 11-349871 dated December 21, 1999,				
	AM	Patent Abstracts of Japan of JP 05-214282 dated August 24, 1993,				
	AN	Patent Abstracts of Japan of JP 04-018465 dated January 22, 1992,				
	AO	Patent Abstracts of Japan of JP 07-157698 dated June 20, 1995,				
	AP	Patent Abstracts of Japan of JP 10-211693 dated August 11, 1998,				
AQ	Patent Abstracts of Japan of JP 02-127482 dated May 16, 1990.					


<b>EXAMINER</b>	<b>DATE CONSIDERED</b> 10-26-04
<b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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
  

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA	4,986,850	01-22-1991	IWATA, ET AL	
	AB	5,180,425	01-19-1993	MATRICK, ET AL	
	AC				
	AD				
	AE				
	AF				
	AG				
	AH				
	AI				
	AJ				
	AK				


  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AL	L 010 802 A2	06-21-2000	EP	X	
	AM	42 27 600 A1	02-25-1993	DE		X
	AN	04 018465	01-23-1992	JP		
	AO					
	AP					

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
	AR	ENGLISH TRANSLATION OF ABSTRACT AND TITLE OF JP 04018465 DATED JANUARY 22, 1992.
	AS	
	AT	

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